

## **BAB 5**

### **KESIMPULAN DAN SARAN**

#### **5.1 KESIMPULAN**

1. Berdasarkan hasil penelitian yang berjudul Studi Penggunaan Asam Folat pada Pasien Gagal Ginjal Kronik disertai Anemia di Rumah Sakit Umum Haji Surabaya periode 1 Januari 2017 sampai 30 Juni 2018 dengan jumlah sampel sebanyak 72 pasien diperoleh kesimpulan sebagai berikut :
  - a. Asam folat tunggal digunakan oleh 27 pasien (37,5%) terbanyak adalah asam folat (3x1 mg) per oral sebanyak 26 pasien (96,30%)
  - b. Asam folat dengan kombinasi digunakan oleh 45 pasien (62,5%) terbanyak adalah asam folat (3x1 mg) per oral dengan terapi PRC (1 kolf/hari) per i.v sebanyak 36 pasien (80%)
2. Hasil penelitian tidak menunjukkan adanya interaksi obat asam folat dengan obat lain selama pengobatan berlangsung

#### **5.2 SARAN**

1. Diperlukan penelitian lebih lanjut dengan menggunakan metode prospektif dan analisis agar dihasilkan profil penggunaan obat yang lebih representatif
2. Jumlah sampel pada penelitian sebaiknya ditambah agar penelitian dapat menunjukkan hasil yang lebih representatif

## DAFTAR PUSTAKA

- Arora, P., Vasa, P., Brenner, D., Iglar, K., McFarlanne, P. and Badawi, A., 2013, Prevalence Estimates of Chronic Kidney Disease in Canada: *Results of a Nationally Representative Survey*, **185(9)** : diakses pada 4 September 2018,  
<http://www.cmaj.ca/content/185/9/E417.full.pdf+html>.
- AHFS, 2011, *AHFS Drug Information*, Bethesda: American Society of Health System Pharmacists.
- Alvionita, Ayu, W.D. dan Masruhim, M.A., 2016, Pengaruh Penggunaan Asam Folat terhadap Kadar Hemoglobin Pada Pasien Ginjal Kronik yang Menjalani Hemodialisis di RSUD Abdul Wahab Sjahranie, *Journal of Tropical Pharmacy and Chemistry Indexed*, **3(3)**: 179-184.
- Badan Penelitian dan Pengembangan Kesehatan Kementerian Republik Indonesia. 2013, *Riset Kesehatan Dasar Republik Indonesia*. Jakarta: Departemen Kesehatan Republik Indonesia.
- Badan Penelitian dan Pengembangan Kesehatan, 2018, *Riset Kesehatan Dasar* (Riskesdas), Jakarta: Kementerian Kesehatan Republik Indonesia.
- Dipiro, C.V., 2009, 'Renal Disorders: Chronic Kidney Disease', in Dipiro, J.T., Talbert, R.L., Yee, G.C., Matzke, G.R., *Pharmacotherapy Handbook : A Approach*, 7th edition, MC Graw-Hill, New York, pp 868- 870.
- Dowling, T.C., 2008, 'Quantification of Renal Function', In: DiPiro, T.J., Talbert, R.L., Yee, G.C., Matzke, G.R., Wells, B.G. and Posey, L.M., *Pharmacotherapy: A Pathophysiologic Approach*, 7<sup>th</sup> edition. McGraw-Hill Companies Inc., New York, p.706.
- Ganong, W.F. 2005, *Review of Medical Physiology*, 21<sup>th</sup> Edition, McGraw Hill Companies Inc., New York, pp. 673-676.
- Ganong, W.F., 2008, *Buku Ajar Fisiologi Kedokteran*, 22th Edition, McGraw Hill Companies Inc., New York, pp. 673-676.
- Ganong, W.F., 2012, *Review of Medical Physiology*. 24<sup>th</sup> Edition, McGraw Hill Companies Inc., New York, pp. 673-676.

- Goodman, G.A., 2012. *Dasar Farmakologi Terapi (The Pharmacological Basis Of Therapeutics)*, 10th Edition, Vol. 2, Penerbit Buku Kedokteran: EGC, Jakarta, pp 808.
- Guyton, A.C., and Hall, J.E, 2006. ‘Glomerular Filtration, Renal Blood Flow, and Their Control’, in : Guyton, A.C., and Hall, J.E. *Textbook of Medical Physiology*, 11th ed., Elsevier Saunders Inc., Philadelphia pp. 307-311.
- Guyton, A.C., and Hall, J.E, 2016, ‘The Urinary System: Functional Anatomy and Urine Formation by The Kidneys’, in : Guyton, A.C., and Hall, J.E. *Textbook of Medical Physiology*, 13th ed., Elsevier Saunders Inc., Philadelphia, pp. 325.
- Hudson, J.Q. and Wazny, L.D. 2017, ‘ Chronic Kidney Disease’, in Dipiro, J.T., Talbert, R.L., Yee, G.C., Matzke, G.R., Wells, B.G. and Posey, L.M., *Pharmacotherapy A Pathophysiology Approach, 10<sup>th</sup> ed.*, McGraw-Hill Education, New York, pp 609-638.
- Indonesia Renal Registry (IRR), 2012, *Report Of Indonesian Renal Registry* 5h Edition, Jakarta, Perkumpulan Nefrologi Indonesia (Pernefri), pp 7.
- Ix, J.H., 2006, *Renal Disease.*, 5<sup>th</sup> edition. McGraw-Hill Companies, Inc., New York,
- KDIGO, 2013, KDIGO Clinical Practice Guideline for The Evaluation and Management of Chronic Kidney Disease. *Kidney International, Supplement*, Boston : CKD Work Group.
- Logani, I ., Tjitrosantoso, H. and Yudhistira, A., 2017, Faktor Resiko Terjadinya Gagal Ginjal Kronik di RSUP Prof. Dr. R. D. Kandou Manado, *Jurnal Farmasi Ilmiah Pharmacon* **6(3)**: 128-136.
- Markum, 2006, Hiperurisemia, In: Sudoyo, Aru, W., Setiyohadi, B., Alwi, L., Simadribata, M., Setiati, S., *Buku Ajar Ilmu Penyakit Dalam, jilid I*, edisi keempat, Departemen Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Indonesia, Jakarta, p.586-589.
- McPhee, S.J and Ganong, W.F., 2006, ‘Renal Disease’. In: McPhee, S.J and Ganong, W.F., *Pathophysiology of Disease: An Introduction to Clinical Medicine, Ed 5<sup>th</sup>*, Mc Graw Hill Companies Inc., New York.
- Moranne, O., Froissart, M., Rossert, J., Gauci, C. and Boffa, C., 2009, Timming of Onset of CKD-Related Metabolic Complications, *Journal of the American Society of Nephrology*, **20(1)**:164-71.

- NKF, 2009, CKD-EPI Creatinine Equation. National Kidney Foundation. Diakses pada Maret 2019  
<https://www.kidney.org/content/ckd-epi-creatinine-equation-2009>
- Pebrianti, Aprilita R.Y.E., and Diana L.R. 2014, 'Evaluation Of Drug Related Problems (Drps) Associated With The Treatment For Pulmonary Tuberculosis With Hypoalbuminemia And Cirrhosis In Gatot Subroto Hospital', *International Journal of Pharmacy Teaching & Practices*, **5(1)**: 1020-1552.
- PCNE, 2017, *Classification for Drug Related Problem*, Version 8.01, Zuidlaren : Pharmaceutical Care Network Europe Foundation.
- Popat, R. 2011, Chronic Kidney Disease: Clinical features and renal replacement therapies, *Journal of Clinical Pharmacist*, **3(1)**: 15-19.
- Price, S.A., and Wilson, L.M. 2006. 'Gangguan Ginjal Kronik', in: *Patofisiologi Konsep Klinis Proses-Proses Penyakit*. Edisi 4. EGC, Jakarta, **2**: 867-992.
- Schmidt, Rebecca, J. And Dalto, C.L. 2007. *Treating anemia of chronic kidney disease in the primary care setting cardiovascular outcomes and management recommendations. Osteopathic Medicine and Primary Care*, Licensee BioMed Central Ltd., Morgantown.
- Schiffli, H., dan Lang, S.M. 2006, Folic Acid Deficiency Modifies the Haematopoietic Response to Recombinant Human Erythropoietin in Maintenance Dialysis Patient, *J. Nephrol Dial Transplant*, **21**:133–137.
- Soerjono, S., Yunita, N., dan Triana, L. 2004. *Manajemen Farmasi*, Airlangga University Press, Surabaya.
- Suwitra, K. 2014. *Buku Ajar Ilmu Penyakit Dalam Jilid II Edisi VI*, Pusat Penerbitan Departemen Ilmu Penyakit Dalam FKUI, Jakarta, pp. 2160-2161.
- Wilson, L.M., 2005, 'Patofisiologi Ginjal', In: Price, A. Sylvia., Lorraine, M. Wilson. *Patofisiologi Konsep Klinik Proses-Proses Penyakit*. Ed. 6 Volume 2, EGC, Jakarta, p.769-885.
- Wilson, L.M., 2006, 'Gagal Ginjal Kronik', In: Price, Sylvia A., and Lorrain M, Wilson, *Patofisiologi Konsep Klinik Proses-Proses Penyakit*, Edisi 6, EGC, Jakarta, p. 912-924.
- World Health Organization, 2011, *The World Medicine Situation : Rational Use of Medicine*, Geneva : WHO Press.

World Health Organization, 2014. *A Global Nutrition Targets 2025: Low Birth Weight Policy Brief*, WHO Press, Switzerland.